

SEC III - Technical Guide
Guidance Documents - Cropland

GUIDANCE DOCUMENT

Present Resource Condition	Identified Problems:
Location: MLRA 108 Soils: 80D2 Clinton Silt Loam Slope: 12% Slope Length: 150ft Land Use: Cropland Continuous Corn Applied Practices: Neglected waterways Tillage Operation: Fall Mulch Corn, 20%	Sheet and rill erosion is at 12 tons/acre. Ephemeral gullies are present. Pesticides and nutrients contaminate surface water. High concentrations of animal waste is being applied in confined areas.

RESOURCE CONCERNS	SOIL				WATER			AIR		ANIMALS		
	Eros.	Cond.	Depos.	Quan.	Qual.	Quality	Habitat					
Practices	Sheet & Rill	Ephem- eral	Tilth	Com- age pac- tion	Dam- Off- site	Excess Runoff	Pest.	Nutr- ient	Sedi- ment	Part- icles	Chem. Drift	Cover/ Shelter
Present Condition	SIG-	SIG-	SL-	MOD-	SIG-	SIG-	MOD-	SIG-	MOD-	0	0	SL-
Alternative. #1												
329 Cons. Tillage Spr. Mulch Corn 60%	SIG+	MOD+	SL+	MOD+	MOD+	MOD+	SL+	SL+	MOD+	SIG+	0	SL+
412 Grass Waterway	0	SIG+	0	0	MOD+	SL+	SL+	SL+	MOD+	0	0	MOD+
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-
633 Waste Util.	0	0	SL+	SL+	SL+	0	0	MOD+	0	0	0	SL-
Supplemental Practices (Streams/Rivers present)												
393 Filter Strip	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+
391 Riparian Forest Buffer	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+

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The values are recorded using NA = Not Applicable; + = Positive effect; - = Negative effect; 0 = negligible effects.
The modifiers SL = Slight; MOD = Moderate; or SIG = Significant denote the range of effects.

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	Eros.	Cond.	Depos.	Quan.	Dam-	Qual.	Quality	Habitat				
Practices	Sheet & Rill	Ephem-eral	Tilth	Com-pac-tion	age Off-site	Excess Runoff	Pest.	Nutr-ient	Sedi-ment	Part-icles	Chem. Drift	Cover/Shelter
Present Condition	SIG-	SIG-	SL-	MOD-	SIG-	0	MOD-	SIG-	MOD-	0	0	SL-
Alternative. #2												
586 Buffer Strips Field 40% Sod	SIG+	MOD+	MOD+	MOD+	MOD+	MOD+	SL+	MOD+	MOD+	SL+	0	SIG+
329 Cons. Tillage Spr. Mulch Corn 50%	SIG+	SL+	MOD+	MOD+	MOD+	MOD+	SL+	SL+	MOD+	SIG+	0	SL+
412 Grass Waterway	0	SIG+	0	0	SL+	MOD+	SL+	SL+	MOD+	0	0	MOD+
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-
633 Waste Util.	0	0	SL+	SL+	SL+	0	0	MOD+	0	0	0	SL+
Supplemental Practices (Streams/Rivers present)												
393 Filter Strip	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+
391 Riparian Forest Buffer	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+

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